

SEP - 1 2011

GE Healthcare

510(k) Premarket Notification Submission

510(k) Summary

In accordance with 21 CFR 807.92 the following summary of information is provided:

<u>Date:</u> August 1, 2011

Submitter: GE Healthcare [GE Healthcare Austria GmbH & Co OG]

Tiefenbach 15 Zipf, Austria 4871

Primary Contact Person: Bryan Behn

Regulatory Affairs Manager

GE Healthcare T:(414)721-4214 F:(414)918-8275 Roland Kuntscher

Secondary Contact Person: Roland Kuntscher

Regulatory Affairs Specialist

GE Healthcare Austria GmbH & Co OG

T:(++43)7682-3800-660 F:(++43)7682 3800-47

<u>Device:</u> <u>Trade Name:</u> Voluson E6/E8/E8Expert/E10 Diagnostic Ultrasound System

Common/Usual Name: Voluson E6/E8/E8Expert/E10

Classification Names: Class II

Product Code: Ultrasonic Pulsed Doppler Imaging System. 21CFR 892.1550 90-IYN

Ultrasonic Pulsed Echo Imaging System, 21CFR 892.1560, 90-IYO Diagnostic Ultrasound Transducer, 21 CFR 892.1570, 90-ITX

Predicate Device(s): K101236 Voluson E6/E8/E8Expert Diagnostic Ultrasound

System

K101149 Vivid E9 Diagnostic Ultrasound System

<u>Device Description:</u> The Voluson E6/E8/E8Expert/E10 system is a full-featured Track

3 ultrasound system, primarily for general radiology use and specialized for OB/GYN with particular features for realtime 3D/4D acquisition. It consists of a mobile console with keyboard control panel; color LCD/TFT touch panel, color video display and optional image storage and printing devices. It provides high performance ultrasound imaging and analysis and has comprehensive networking and DICOM capability. It utilizes a variety of linear, curved linear, matrix phased array transducers including mechanical and electronic scanning transducers, which provide highly accurate realtime three dimensional imaging

supporting all standard acquisition modes.

Intended Use: The device is a general purpose ultrasound system. Specific

clinical applications remain the same as previously cleared:



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Fetal/OB; Abdominal (including GYN, pelvic and infertility monitoring/follicle development); Pediatric; Small Organ (breast, testes, thyroid etc.); Neonatal and Adult Cephalic; Cardiac (adult and pediatric); Musculo-skeletal Conventional and Superficial; Peripheral Vascular; Transvaginal; Transrectal; and Intraoperative (abdominal, PV and neurological).

Technology:

The Voluson E6/E8/E8Expert/E10 employs the same fundamental scientific technology as its predicate devices.

<u>Determination of</u> Substantial Equivalence:

Summary of Non-Clinical Tests:

The device has been evaluated for acoustic output, biocompatibility, cleaning and disinfection effectiveness as well as thermal, electrical, electromagnetic, and mechanical safety, and has been found to conform with applicable medical device safety standards. The Voluson E6/E8/E8Expert/E10 and its applications comply with voluntary standards as detailed in Section 9, 11 and 17 of this premarket submission. The following quality assurance measures were applied to the development of the system:

- Risk Analysis
- Requirements Reviews
- Design Reviews
- Testing on unit level (Module verification)
- Integration testing (System verification)
- Final Acceptance Testing (Validation)
- Performance testing (Verification)
- Safety testing (Verification)

Transducer materials and other patient contact materials are biocompatible.

Summary of Clinical Tests:

The subject of this premarket submission, Voluson E6/E8/E8/Expert/E10, did not require clinical studies to support substantial equivalence.

Conclusion:

GE Healthcare considers the Voluson E6/E8/E8 Expert/E10 to be as safe, as effective, and performance is substantially equivalent to the predicate device(s).



Food and Drug Administration 10903 New Hampshire Avenue Silver Spring, MD 20993

Mr. Bryan Behn Regulatory Affairs Manager GE Healthcare 9900 W Innovation Drive WAUWATOSA WI 53226

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Re: K112213

Trade/Device Name: Voluson E6/E8/E8Expert/E10 Diagnostic Ultrasound System

Regulation Number: 21 CFR 892.1550

Regulation Name: Ultrasonic pulsed doppler imaging system

Regulatory Class: II

Product Code: IYN, IYO, and ITX

Dated: August 1, 2011 Received: August 2, 2011

Dear Mr. Behn:

We have reviewed your Section 510(k) premarket notification of intent to market the device referenced above and we have determined the device is substantially equivalent (for the indications for use stated in the enclosure) to legally marketed predicate devices marketed in interstate commerce prior to May 28, 1976, the enactment date of the Medical Device. Amendments, or to devices that have been reclassified in accordance with the provisions of the Federal Food, Drug, and Cosmetic Act (Act). You may, therefore, market the device, subject to the general controls provisions of the Act. The general controls provisions of the Act include requirements for annual registration, listing of devices, good manufacturing practice, labeling, and prohibitions against misbranding and adulteration.

This determination of substantial equivalence applies to the following transducers intended for use with the Voluson E6/E8/E8Expert/E10 Diagnostic Ultrasound System, as described in your premarket notification:

Transducer Model Number

<u>RAB2-5-D</u>	<u>PA6-8-D</u>	<u>3S-D</u>	RRE5-10-D
<u>RAB4-8-D</u>	<u>SP10-16-D</u>	P2D	<u>RM14L</u>
<u>RIC5-9-D</u>	RSP6-16-D	<u>P6D</u>	<u>3Sp-D</u>
<u>RNA5-9-D</u>	RIC6-12-D	<u>M6C</u>	<u>C4-8-D</u>
<u>RRE6-10-D</u>	<u>RAM3-8</u>	<u>11L-D</u>	<u>RAB6-D</u>
<u>AB2-7-D</u>	<u>RSM5-14</u>	<u>C1-5-D</u>	<u>eM6C</u>
<u>4C-D</u>	<u>9L-D</u>	ML6-15-D	
<u>IC5-9-D</u>	<u>M12LW</u>	RM6C	

If your device is classified (see above) into either class II (Special Controls) or class III (PMA), it may be subject to such additional controls. Existing major regulations affecting your device can be found in the Code of Federal Regulations, Title 21, Parts 800 to 895. In addition, FDA may publish further announcements concerning your device in the <u>Federal Register</u>.

Please be advised that FDA's issuance of a substantial equivalence determination does not mean that FDA has made a determination that your device complies with other requirements of the Act or any Federal statutes and regulations administered by other Federal agencies. You must comply with all the Act's requirements, including, but not limited to: registration and listing (21 CFR Part 807); labeling (21 CFR Part 801); good manufacturing practice requirements as set forth in the quality systems (QS) regulation (21 CFR Part 820); and if applicable, the electronic product radiation control provisions (Sections 531-542 of the Act); 21 CFR 1000-1050.

This letter will allow you to begin marketing your device as described in your premarket notification. The FDA finding of substantial equivalence of your device to a legally marketed predicate device results in a classification for your device and thus permits your device to proceed to market.

If you desire specific advice for your device on our labeling regulation (21 CFR Part 801), please go to http://www.fda.gov/AboutFDA/CentersOffices/CDRH/CDRHOffices/ucm115809.htm for the Center for Devices and Radiological Health's (CDRH's) Office of Compliance. Also, please note the regulation entitled, "Misbranding by reference to premarket notification" (21 CFR Part 807.97). For questions regarding the reporting of adverse events under the MDR regulation (21 CFR Part 803), please go to

http://www.fda.gov/MedicalDevices/Safety/ReportaProblem/default.htm for the CDRH's Office of Surveillance and Biometrics/Division of Postmarket Surveillance.

If you have any questions regarding the content of this letter, please contact Robert Ochs, Ph.D. at (301) 796-6661.

Sincerely Yours,

Mary S. Pastel, Sc.D.

Many S Paul

Director

Division of Radiological Devices Office of In Vitro Diagnostic Device

Evaluation and Safety

Center for Devices and Radiological Health

Enclosure(s)



510(k) Premarket Notification Submission

Over-The-Counter Use NA

510(k) Number (if known): K112213

Voluson E6/E8/E8Expert/E10 Diagnostic Ultrasound System

Indications for Use:

Device Name:

The device is a general purpose ultrasound system. Specific clinical applications remain the same as previously cleared: Fetal/OB; Abdominal (including GYN, pelvic and infertility monitoring/follicle development); Pediatric; Small Organ (breast, testes, thyroid etc.); Neonatal and Adult Cephalic; Cardiac (adult and pediatric); Musculoskeletal Conventional and Superficial; Peripheral Vascular; Transvaginal; Transrectal; and Intraoperative (abdominal, PV and neurological).

(Part 21 CFR 801 Subpart D) (Part 21 CFR 801 Subpart C)

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Concurrence of CDRH, Office of In Vitro Diagnostic Devices (OIVD)

AND/OR

(Division Sign-Off)

Prescription Use_X___

Division of Radiological Devices

Office of In Vitro Diagnostic Device Evaluation and

Safety

510(k) Number <u>K117213</u>



510(k) Premarket Notification Submission

Indications for Use Forms

The following forms represent indications with clinical applications and exam types along with the modes of operation for the Voluson E6/E8/E8Expert/E10 system and for all of its probe/mode combinations. Combinations identified by "N" are new while "P" represents those previously cleared with the unmodified Voluson E6/E8/E8Expert. In a similar manner, "E" represents combinations added to the unmodified Voluson E6/E8/E8Expert via Guidance Appendix E. This modification did not alter the previously cleared system level indications or clinical applications.

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Office of In Vitro Diagnostic Device Evaluation and Safety

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510(k) Premarket Notification Submission

Diagnostic Ultrasound Indications for Use Form GE Valuson E6/E8/E8Expert/E10 Ultrasound System

Intended Use: Diagnostic ultrasound imaging or fluid flow analysis of the human body as follows:

					M	ode of Ope	eration				
Clinical Application Anatomy/Region of Interest	В	М	PW Doppler	CW Doppler	Color* Doppler	Color M Doppler			Harmonic Imaging	Coded Pulse	Other [Notes]
Ophthalmic			 				•••				
Fetal / Obstetrics ^[7]		P	P	P	P	P	P	P	P	P	[5,6,9]
Abdominal ^[1]		P	P	P	P	P	P	P	P	P	[5,6,9]
		P	P	P	-	P	P	P	P	P	[5,6,9]
Pediatric	P		 		P						_
Small Organ ^[2]	P	P	P	P	P	P	P	P	P	P	[5,6,9]
Neonatal Cephalic	P	P	P	P	P	P	P	P	P	P	[5]
Adult Cephalic	P	P	P	P	P	P	P	P	P	P	
Cardiac ^[3]	P	P	P	P	P	P	P	P	P	P	[5]
Peripheral Vascular	P	P	P	P	P	P	P	P	P	P	[5,6,9]
Musculo-skeletal Conventional	P	P	P		P	P	P	P	P	P	[5,6,9]
Musculo-skeletal Superficial	P	P	P		P	P	P	P	P	P	[5,6,9]
Other				-							
Exam Type, Means of Access											
Transesophageal											
Transrectal ^[8]	P	P	P		P	P	P	P	P	P	[5,6,9]
Transvaginal	P	P	P		P	P	P	P	P	P	[5,6,9]
Transuretheral	,										
Intraoperative	P	P	P		P	P	P	P	P	P	
Intraoperative Neurological	P	P	P		P	P	P	P	P	P	
Intravascular											<u>.</u>
Laparoscopic											

N = new indication; P = previously cleared by FDA; E = added under Appendix E

Notes: [1] Abdominal includes renal, GYN/Pelvic.

- [2] Small organ includes breast, testes, thyroid, salivary gland, lymph nodes, pediatric and neonatal patients
- [3] Cardiac is Adult and Pediatric.
- [5] 3D/4D Imaging Mode.
- [6] Includes imaging of guidance of biopsy (2D/3D/4D).
- [7] Includes infertility monitoring of follicle development.
- [8] Includes urology/prostate.
- [9] Elastography imaging- Elasticity
- [*] Combined modes are B/M, B/Color M, B/PWD or CWD, B/Color/PWD or CWD, B/Power/PWD.
- [*] 4D color Doppler

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Concurrence of CDRH, Office of In Vitro Diagnostic Devices (OIVD)

Prescription User (Per 21 CFR 801.109)

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Division of Radiological Devices
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Office of In Vitro Diagnostic Device Evaluation and Safety

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Diagnostic Ultrasound Indications for Use Form GE Voluson E6/E8/E8Expert/E10 with RAB2-5-D Transducer

Intended Use: Diagnostic ultrasound imaging or fluid flow analysis of the human body as follows:

					Mod	de of Oper	ation				
Clinical Application Anatomy/Region of Interest	В	М	PW Doppler	CW Doppler	Color Doppler	Color M Doppler	Power		Harmonic Imaging	Coded Pulse	Other [Notes)
Ophthalmic											
Fetal / Obstetrics ^[7]	P	P	P		P	P	P	P	P	P	[5,6]
Abdominal ^[1]	P	P	P		P	P	P	P	P	P	[5,6]
Pediatric											
Small Organ ^[2]											
Neonatal Cephalic											
Adult Cephalic											
Cardiac ^[3]											
Peripheral Vascular											
Musculo-skeletal Conventional	P	P	P		P	P	P	P	P	P	[5,6]
Musculo-skeletal Superficial			ļ								
Other											
Exam Type, Means of Access			<u> </u>								<u></u>
Transesophageal											
Transrectal											<u></u>
Transvaginal											
Transuretheral											<u>.</u>
Intraoperative											
Intraoperative Neurological											
Intravascular											
Laparoscopic											

	N =	new indication;	P = previously	cleared by FDA;	E = added under	Appendix E
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Notes: [1] Abdominal includes renal, GYN/Pelvic

- [5] 3D/4D Imaging Mode
- [6] Includes imaging of guidance of biopsy (3D/4D)
- [7] Includes infertility monitoring of follicle development
- [*] Combined modes are B/M, B/Color M, B/PWD or CWD, B/Color/PWD or CWD, B/Power/PWD.

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Diagnostic Ultrasound Indications for Use Form

GE Voluson E6/E8/E8Expert/E10 with RAB4-8-D Transducer

Intended Use: Diagnostic ultrasound imaging or fluid flow analysis of the human body as follows:

	Mode of Operation											
Clinical Application Anatomy/Region of Interest	В	М	PW Doppler	CW Doppler	Color Doppler	Color M Doppler		Combined Modes	Harmonic Imaging	Coded Pulse	Other [Notes)	
Ophthalmic												
Fetal / Obstetrics ^[7]	P	P	P		P	P	P	P	P	P	[5,6]	
Abdominal ^[1]	P	P	P		P	P	P	P	P	P	[5,6]	
Pediatric	P	P	P		P	P	P	P	P	P	[5,6]	
Small Organ ^[2]												
Neonatal Cephalic												
Adult Cephalic												
Cardiac ^[3]												
Peripheral Vascular												
Musculo-skeletal Conventional	P	P	P		P	P	P	P	P	P	[5,6]	
Musculo-skeletal Superficial												
Other												
Exam Type, Means of Access												
Transesophageal												
Transrectal								:				
Transvaginal												
Transuretheral												
Intraoperative												
Intraoperative Neurological												
Intravascular												
Laparoscopic												

N = new indication; P = previously cleared by FDA; E = added under Appendix E

Notes: [1] Abdominal includes renal, GYN/Pelvic, Urology [5] 3D/4D Imaging Mode

- [6] Includes imaging of guidance of biopsy (3D/4D)
- [7] Includes infertility monitoring of follicle development
- [*] Combined modes are B/M, B/Color M, B/PWD or CWD, B/Color/PWD or CWD, B/Power/PWD.

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Diagnostic Ultrasound Indications for Use Form

GE Voluson E6/E8/E8Expert/E10 with RIC5-9-D Transducer

Intended Use: Diagnostic ultrasound imaging or fluid flow analysis of the human body as follows:

				,	M	ode of Ope	eration				
Clinical Application Anatomy/Region of Interest	В	М	PW Doppler	CW Doppler	Color Doppler	Color M	Power		Harmonic Imaging	Coded Pulse	Other [Notes)
Ophthalmic										. =	
Fetal / Obstetrics[7]	P	P	P	L	P	P	P	P	P	P	[5,6,9]
Abdominal ^[1]			<u>.</u>								
Pediatric											
Small Organ ^[2]											
Neonatal Cephalic											
Adult Cephalic											
Cardiac ^[3]											
Peripheral Vascular											
Musculo-skeletal Conventional											
Musculo-skeletal Superficial											
Other											
Exam Type, Means of Access											
Transesophageal											
Transrectal ^[8]	P	P	P		P	P	P	P	P	P	[5,6,9]
Transvaginal	P	P	P		P	P	P	P	P	P	[5,6,9]
Transuretheral											
Intraoperative											
Intraoperative Neurological											
Intravascular											
Laparoscopic											

N = new indication; P = previously cleared by FDA; E = added under Appendix E

Notes: [5] 3D/4D Imaging Mode

- [6] Includes imaging of guidance of biopsy (3D/4D)
- [7] Includes infertility monitoring of follicle development
- [8] Includes urology/prostate
- [9] Elastography Imaging- Elasticity
- [*] Combined modes are B/M, B/Color M, B/PWD or CWD, B/Color/PWD or CWD, B/Power/PWD.

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Diagnostic Ultrasound Indications for Use Form

GE Voluson E6/E8/E8Expert/E10 with RNA5-9-D Transducer

Intended Use: Diagnostic ultrasound imaging or fluid flow analysis of the human body as follows:

					Мо	de of Oper	ration		· ·		
Clinical Application	В	М	PW	CW	Color	Color M			Harmonic	Coded	Other
Anatomy/Region of Interest			Doppler	Doppler	Doppler	Doppler	Doppler	Modes	Imaging	Pulse	[Notes)
Ophthalmic		'									
Fetal / Obstetrics ^[7]	P	P	P	P	P	P	P	P	P	P	[5,6]
Abdominal ^[1]	P	P	P	P	P	P	P	P	P	P	[5,6]
Pediatric	P	P	P	P	P	P	P	P	P	P	[5,6]
Small Organ ^[2]	P	P	P	P	P	P	P	P	P	P	[5,6]
Neonatal Cephalic	P	P	P	P	P	P	P	P	P	P	[5]
Adult Cephalic											
Cardiac ^[3]	P	P	P	P	P	P	P	P	P	P	[5]
Peripheral Vascular	P	P	P	P	P	P	P	P	P	P	[5,6]
Musculo-skeletal Conventional	P	P	P	P	P	P	P	P	P	P	[5,6]
Musculo-skeletal Superficial				ļ							
Other											
Exam Type, Means of Access											
Transesophageal											
Transrectal ^[8]											
Transvaginal	-										
Transuretheral											
Intraoperative											
Intraoperative Neurological											
Intravascular											
Laparoscopic											

N = new indication; P = previously cleared by FDA; E = added under Appendix E

Notes: [1] Abdominal is Neonatal and pediatric

- [2] Small organ includes breast, testes, thyroid, salivary gland, lymph nodes, pediatric and neonatal patients
- [3] Cardiac is Neonatal and Pediatric.
- [5] 3D/4D Imaging Mode
- [6] Includes imaging of guidance of biopsy (3D/4D)
- [*] Combined modes are B/M, B/Color M, B/PWD or CWD, B/Color/PWD or CWD, B/Power/PWD.

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Diagnostic Ultrasound Indications for Use Form GE Voluson E6/E8/E8Expert/E10 with RRE6-10-D Transducer

Intended Use: Diagnostic ultrasound imaging or fluid flow analysis of the human body as follows:

		•			Mo	de of Oper	ation				
Clinical Application Anatomy/Region of Interest	В	М	PW Doppler	CW Doppler	Color Doppler	Color M Doppler		Combined Modes	Harmonic Imaging	Coded Pulse	Other [Notes]
Ophthalmic									!		
Fetal / Obstetrics[7]											
Abdominal ^[1]			<u> </u>								
Pediatric											
Small Organ ^[2]											
Neonatal Cephalic			<u> </u>								
Adult Cephalic											
Cardiac ^[3]											
Peripheral Vascular											
Musculo-skeletal Conventional											
Musculo-skeletal Superficial											
Other											
Exam Type, Means of Access					<u> </u>						
Transesophageal					<u> </u>						
Transrectal ^[8]	P	P	P		P	P	P	P	P	P	[5,6]
Transvaginal	P	P	P		P	P	P	P	P	P	[5,6]
Transuretheral											
Intraoperative											
Intraoperative Neurological			,								
Intravascular											
Laparoscopic											

N = new indication; P = previously cleared by FDA; E = added under App	ndix E
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Notes: [5] 3D/4D Imaging Mode

[6] Includes imaging of guidance of biopsy (3D/4D)

[8] Includes urology/prostate

[*] Combined modes are B/M, B/Color M, B/PWD or CWD, B/Color/PWD or CWD, B/Power/PWD.

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Division of Radiological Devices

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Diagnostic Ultrasound Indications for Use Form

GE Voluson E6/E8/E8Expert/E10 with AB2-7-D Transducer

Intended Use: Diagnostic ultrasound imaging or fluid flow analysis of the human body as follows:

		Mode of Operation											
Clinical Application Anatomy/Region of Interest	В	М	PW Doppler	CW Doppler	Color Doppler	Color M Doppler			Harmonic Imaging	Coded Pulse	Other [Notes)		
Ophthalmic		<u> </u>											
Fetal / Obstetrics ^[7]	P	P	P		P	P	P	P	P	P	[6]		
Abdominal ^[1]	P	P	P		P	P	P	P	P	P	[6]		
Pediatric	P	P	P		P	P	P	P	P	P	[6]		
Small Organ ^[2]													
Neonatal Cephalic			<u> </u>										
Adult Cephalic													
Cardiac ^[3]													
Peripheral Vascular													
Musculo-skeletal Conventional	P	P	P		P	P	P	P	P	P	[6]		
Musculo-skeletal Superficial													
Other													
Exam Type, Means of Access													
Transesophageal													
Transrectal													
Transvaginal											<u> </u>		
Transuretheral													
Intraoperative													
Intraoperative Neurological			<u> </u>										
Intravascular													
Laparoscopic													

N = new indication; P = previously cleared by FDA; E = added under Appendix E

Notes: [1] Abdominal includes renal, GYN/Pelvic, Urology

- [6] Includes imaging of guidance of biopsy (2D)
- [7] Includes infertility monitoring of follicle development
- [*] Combined modes are B/M, B/Color M, B/PWD or CWD, B/Color/PWD or CWD, B/Power/PWD.

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Diagnostic Ultrasound Indications for Use Form GE Voluson E6/E8/E8Expert/E10 with 4C-D Transducer

Intended Use: Diagnostic ultrasound imaging or fluid flow analysis of the human body as follows:

					Мо	de of Oper	ation				
Clinical Application Anatomy/Region of Interest	В	М	PW Doppler	CW Doppler	Color Doppler	Color M Doppler	Power		Harmonic Imaging	Coded Pulse	Other [Notes)
Ophthalmic											
Fetal / Obstetrics[7]	P	P	P	P	P	P	P	P	P	P	[6]
Abdominal ^[1]	P	P	P	P	P	P	P	P	P	P	[6]
Pediatric	•							_			
Small Organ ^[2]			<u> </u>								
Neonatal Cephalic											
Adult Cephalic				<u> </u>							
Cardiac ^[3]	_										
Peripheral Vascular	P	P	P	P	P	P	P	P	P	P	[6]
Musculo-skeletal Conventional											
Musculo-skeletal Superficial											
Other											
Exam Type, Means of Access											
Transesophageal											
Transrectal					<u> </u>						,
Transvaginal		L	J		ļ						
Transuretheral											
Intraoperative											
Intraoperative Neurological											
Intravascular											
Laparoscopic											

N = new indication; P = previously cleared by FDA; E = added under Appendix E

Notes: [1] Abdominal includes renal, GYN/Pelvic, Urology

- [6] Includes imaging of guidance of biopsy (2D)
- [7] Includes infertility monitoring of follicle development
- [*] Combined modes are B/M, B/Color M, B/PWD or CWD, B/Color/PWD or CWD, B/Power/PWD.

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Concurrence of CDRH, Office of In Vitro Diagnostic Devices (OIVD)

Prescription User (Per 21 CFR 801.109)

(Division Sign-Off)
Division of Radiological Devices

Office of In Vitro Diagnostic Device Evaluation and Safety

510K 内112213



510(k) Premarket Notification Submission

Diagnostic Ultrasound Indications for Use Form

GE Voluson E6/E8/E8Expert/E10 with IC5-9-D Transducer

Intended Use: Diagnostic ultrasound imaging or fluid flow analysis of the human body as follows:

					Мо	de of Oper	ation				
Clinical Application Anatomy/Region of Interest	В	М	PW Doppler	CW Doppler	Color Doppler	Color M Doppler	Power Doppler	Combined Modes	Harmonic Imaging	Coded Pulse	Other [Notes]
Ophthalmic										·	
Fetal / Obstetrics[7]	P	P	P		P	P	P	P	P	P	[6,9]
Abdominal ^[1]											
Pediatric											
Small Organ ^[2]											
Neonatal Cephalic											
Adult Cephalic											
Cardiac ^[3]											
Peripheral Vascular											
Musculo-skeletal Conventional											
Musculo-skeletal Superficial											
Other				·							
Exam Type, Means of Access											
Transesophageal											
Transrectal ^[8]	P	P	P		P	P	P	P	P	P	[6,9]
Transvaginal	P	P	P		P	P	P	P	P	P	[6,9]
Transuretheral											
Intraoperative											
Intraoperative Neurological											
Intravascular											
Laparoscopic			1								

N = new indication; P = previously cleared by FDA; E = added under Appendix E

Notes: [6] Includes imaging of guidance of biopsy (2D)

- [7] Includes infertility monitoring of follicle development
- [8] Includes urology/prostate
- [9] Elastography Imaging- Elasticity
- [*] Combined modes are B/M, B/Color M, B/PWD or CWD, B/Color/PWD or CWD, B/Power/PWD.

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Prescription User (Per 21 CFR 801.109)

Division of Radiological Devices

Office of In Vitro Diagnostic Device Evaluation and Safety

510K 1/5/1/22/13



510(k) Premarket Notification Submission

Diagnostic Ultrasound Indications for Use Form

GE Voluson E6/E8/E8Expert/E10 with PA6-8-D Transducer

Intended Use: Diagnostic ultrasound imaging or fluid flow analysis of the human body as follows:

					Moe	de of Oper	ation				
Clinical Application Anatomy/Region of Interest	В	М	PW Doppler	CW Doppler	Color Doppler	Color M Doppler		Combined Modes	Harmonic Imaging	Coded Pulse	Other [Notes)
Ophthalmic											<u> </u>
Fetal / Obstetrics ^[7]											l <u>.</u>
Abdominal ^[1]	P	P	P	P	P	P	. Р	P	P	P	
Pediatric	P	P	P	P	P	P	P	P	P	P	
Small Organ ^[2]											
Neonatal Cephalic	P	P	P	P	P	P	P	P	P	P	
Adult Cephalic											
Cardiac ^[3]	P	P	P	P	P	P	P	P	P	P	
Peripheral Vascular											
Musculo-skeletal Conventional											
Musculo-skeletal Superficial											
Other ^[4]											
Exam Type, Means of Access											
Transesophageal					<u> </u>						
Transrectal ^[8]											
Transvaginal											_
Transuretheral											
Intraoperative											
Intraoperative Neurological											
Intravascular											
Laparoscopic											

N = new indication; P = previously cleared by FDA; E = added under Appendix E

Notes: [1] Abdominal is Neonatal , pediatric and obstetrics

[3] Cardiac is Adult and Pediatric.

[*] Combined modes are B/M, B/Color M, B/PWD or CWD, B/Color/PWD or CWD, B/Power/PWD.

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Division of Radiological Devices

Office of In Vitro Diagnostic Device Evaluation and Safety

510K 4112213



510(k) Premarket Notification Submission

Diagnostic Ultrasound Indications for Use Form GE Voluson E6/E8/E8/Expert/E10 with SP10-16-D Transducer

Intended Use: Diagnostic ultrasound imaging or fluid flow analysis of the human body as follows:

					Moe	de of Oper	ation				
Clinical Application Anatomy/Region of Interest	В	М	PW Doppler	CW Doppler	Color	Color M Doppler	Power		Harmonic Imaging	Coded Pulse	Other [Notes)
Ophthalmic						-					
Fetal / Obstetrics ^[7]											
Abdominal ^[1]											
Pediatric	P	P	P		P	P	P	P	P	P	[6]
Small Organ ^[2]	P	P	P		P	P	P	P	P	P	
Neonatal Cephalic											
Adult Cephalic											
Cardiac ^[3]											
Peripheral Vascular	P	P	P		P	P	P	P	P	P	[6]
Musculo-skeletal Conventional											
Musculo-skeletal Superficial	P	P	P		P	P	P	P	P	P	[6]
Other											<u> </u>
Exam Type, Means of Access											
Transesophageal											
Transrectal ^[8]											
Transvaginal											
Transuretheral											
Intraoperative											
Intraoperative Neurological											
Intravascular											
Laparoscopic											

N = new indication; P = previously cleared by FDA; E = added under Appendix E

Notes: [2] Small organ includes breast, testes, thyroid, salivary gland, lymph nodes, pediatric and neonatal patients

[6] Includes imaging of guidance of biopsy (2D)

[*] Combined modes are B/M, B/Color M, B/PWD or CWD, B/Color/PWD or CWD, B/Power/PWD.

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510K 1/1/22/3



510(k) Premarket Notification Submission

Diagnostic Ultrasound Indications for Use Form

GE Voluson E6/E8/E8Expert/E10 with RSP6-16-D Transducer

Intended Use: Diagnostic ultrasound imaging or fluid flow analysis of the human body as follows:

					Mod	de of Oper	ation		· · ·		
Clinical Application Anatomy/Region of Interest	В	М	PW Doppler	CW Doppler	Color Doppler	Color M Doppler	Power		Harmonic Imaging	Coded Pulse	Other [Notes)
Ophthalmic											
Fetal / Obstetrics ^[7]											
Abdominal ^[1]		<u> </u>									
Pediatric	P	P	P		P	P	P	P	P	P	[5,6]
Small Organ ^[2]	P	P	P		P	P	P	P	P	P	[5,6]
Neonatal Cephalic											
Adult Cephalic											
Cardiac ^[3]											
Peripheral Vascular	P	P	P		P	P	P	P	P	P	[5,6]
Musculo-skeletal Conventional	P	P	P		P	P	P	P	P	P	[5,6]
Musculo-skeletal Superficial	P	P	P		P	P	P	P	P	P	[5,6]
Other											
Exam Type, Means of Access											
Transesophageal											
Transrectal ^[8]	,										
Transvaginal											
Transuretheral											
Intraoperative	P	. Р	P		P	P	P	P	P	P	
Intraoperative Neurological	P	P	P		P	P	P	P	P	P	
Intravascular											
Laparoscopic											

N = new indication; P = previously cleared by FDA; E = added under Appendix E

Notes: [2] Small organ includes breast, testes, thyroid, salivary gland, lymph nodes, pediatric and neonatal patients

- [5] 3D/4D Imaging Mode
- [6] Includes imaging of guidance of biopsy (3D/4D)
- [*] Combined modes are B/M, B/Color M, B/PWD or CWD, B/Color/PWD or CWD, B/Power/PWD.

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510K 17116613



510(k) Premarket Notification Submission

Diagnostic Ultrasound Indications for Use Form

GE Voluson E6/E8/E8Expert/E10 with RIC6-12-D Transducer

Intended Use: Diagnostic ultrasound imaging or fluid flow analysis of the human body as follows:

					Mo	de of Oper	ation				
Clinical Application	В	м	PW	CW Doppler	Color Doppler	Color M Doppler	Power Doppler		Harmonic Imaging	Coded Pulse	Other [Notes]
Anatomy/Region of Interest			Dopplei	Dopplet	Doppici	Doppier	Doppier	WIOGES	maging	1 disc	[INOICS,
Ophthalmic				<u> </u>	ļ						
Fetal / Obstetrics ^[7]	P	P	P		P	P	P	P	P	P	[5,6]
Abdominal ^[1]								,			
Pediatric											
Small Organ ^[2]											<u></u>
Neonatal Cephalic											
Adult Cephalic											
Cardiac ^[3]											
Peripheral Vascular											
Musculo-skeletal Conventional											
Musculo-skeletal Superficial											
Other	,										
Exam Type, Means of Access											
Transesophageal											
Transrectal ^[a]	P	P	P		P	P	P	P	P	P	[5,6]
Transvaginal	P	P	P		P	P	P	P	P	P	[5,6]
Transuretheral											
Intraoperative											
Intraoperative Neurological											
Intravascular											
Laparoscopic											

N = new indication; P = previously cleared by FDA; E = added under Appendix E

Notes: [5] 3D/4D Imaging Mode

- [6] Includes imaging of guidance of biopsy (3D/4D)
- [7] Includes infertility monitoring of follicle development
- [8] Includes urology/prostate
- [*] Combined modes are B/M, B/Color M, B/PWD or CWD, B/Color/PWD or CWD, B/Power/PWD.

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Concurrence of CDRH, Office of In Vitro Diagnostic Devices (OIVD)

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Office of In Vitro Diagnostic Device Evaluation and Safety

510K 15112213



510(k) Premarket Notification Submission

Diagnostic Ultrasound Indications for Use Form

GE Voluson E6/E8/E8Expert/E10 with RAM3-8 Transducer

Intended Use: Diagnostic ultrasound imaging or fluid flow analysis of the human body as follows:

		· · · · · · · · · · · · · · · · · · ·		.,	Мо	de of Oper	ation				
Clinical Application Anatomy/Region of Interest	В	М	PW Doppler	CW Doppler	Color Doppler	Color M Doppler	Power Doppler		Harmonic Imaging	Coded Pulse	Other [Notes)
Ophthalmic											
Fetal / Obstetrics ^[7]	P	P	P		P	P	P	P	P	P	[5,6]
Abdominal ^[1]	P	P	P		P	P	P	P	P	P	[5,6]
Pediatric	P	P	P		P	P	P	P	P	P	[5,6]
Small Organ ^[2]											
Neonatal Cephalic											
Adult Cephalic									i		
Cardiac ^[3]											
Peripheral Vascular											
Musculo-skeletal Conventional	P	P	P		P	P	P	P	P	P	[5,6]
Musculo-skeletal Superficial											
Other											
Exam Type, Means of Access											
Transesophageal											
Transrectal											
Transvaginal											ļ
Transuretheral											
Intraoperative											
Intraoperative Neurological											
Intravascular											
Laparoscopic											<u> </u>

N = new indication; P = previously cleared by FDA; E = added under Appendix E

Notes: [1] Abdominal includes renal, GYN/Pelvic, Urology [5] 3D/4D Imaging Mode

- [6] Includes imaging of guidance of biopsy (3D/4D)
- [7] Includes infertility monitoring of follicle development
- [*] Combined modes are B/M, B/Color M, B/PWD or CWD, B/Color/PWD or CWD, B/Power/PWD.

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Diagnostic Ultrasound Indications for Use Form

GE Voluson E6/E8/E8Expert/E10 with RSM5-14 Transducer

Intended Use: Diagnostic ultrasound imaging or fluid flow analysis of the human body as follows:

					Mod	ie of Oper	ation				
Clinical Application Anatomy/Region of Interest	В	М	PW Doppler	CW Doppler	Color	Color M Doppler	Power	Combined Modes	Harmonic Imaging	Coded Pulse	Other [Notes)
Ophthalmic	·										
Fetal / Obstetrics ^[7]			1								
Abdominal ^[1]											
Pediatric	P	P	P		P	P	P	P	P	P	[5,6]
Small Organ ^[2]	P	P	P		P	P	P	P	P	P	[5,6]
Neonatal Cephalic											
Adult Cephalic											
Cardiac ^[3]											
Peripheral Vascular	P	P	P		P	P	P	P	P	P	[5,6]
Musculo-skeletal Conventional	P	P	P		P	P	P	P	P	P	[5,6]
Musculo-skeletal Superficial	P	P	P		P	P	P	P	P	P	[5,6]
Other	-										
Exam Type, Means of Access			1								
Transesophageal											
Transrectal			1								
Transvaginal								•			
Transuretheral											
Intraoperative											
Intraoperative Neurological											
Intravascular											
Laparoscopic											

N = new indication; P = previously cleared by FDA; E = added under Appendix E

Notes: [2] Small organ includes breast, testes, thyroid, salivary gland, lymph nodes, pediatric and neonatal patients

- [5] 3D/4D Imaging Mode
- [6] Includes imaging of guidance of biopsy (3D/4D)
- [*] Combined modes are B/M, B/Color M, B/PWD or CWD, B/Color/PWD or CWD, B/Power/PWD.

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510(k) Premarket Notification Submission

Diagnostic Ultrasound Indications for Use Form GE Voluson E6/E8/E8Expert/E10 with 9L-D Transducer

Intended Use: Diagnostic ultrasound imaging or fluid flow analysis of the human body as follows:

		-			Mod	de of Oper	ation				
Clinical Application Anatomy/Region of Interest	В	М	PW Doppler	CW Doppler	Color Doppler	Color M Doppler		Combined Modes	Harmonic Imaging	Coded Pulse	Other [Notes)
Ophthalmic											
Fetal / Obstetrics ^[7]											
Abdominal ^[1]											<u> </u>
Pediatric	P	P	P	P	P	P	P	P	P	P	[6]
Small Organ ^[2]	P	P	P	P	P	P	P	P	P	P	[6]
Neonatal Cephalic											
Adult Cephalic											
Cardiac ^[3]											
Peripheral Vascular	P	P	P	P	P	P	P	P	P	P	[6]
Musculo-skeletal Conventional	P	P	P	P	P	P	P	P	P	P	[6]
Musculo-skeletal Superficial											
Other											<u> </u>
Exam Type, Means of Access											
Transesophageal											
Transrectal											
Transvaginal											ļ
Transuretheral											
Intraoperative											
Intraoperative Neurological											
Intravascular											
Laparoscopic											

N = new indication; P = previously cleared by FDA; E = added under Appendix E

[2] Small organ includes breast, testes, thyroid, salivary gland, lymph nodes, pediatric and neonatal patients

[6] Includes imaging of guidance of biopsy (2D)

[*] Combined modes are B/M, B/Color M, B/PWD or CWD, B/Color/PWD or CWD, B/Power/PWD.

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510(k) Premarket Notification Submission

Diagnostic Ultrasound Indications for Use Form

GE Voluson E6/E8/E8Expert/E10 with M12LW Transducer

Intended Use: Diagnostic ultrasound imaging or fluid flow analysis of the human body as follows:

					Mo	de of Opc	ration				
Clinical Application Anatomy/Region of Interest	В	М	PW Doppler	CW Doppler	Color Doppler	Color M Doppler		Combined Modes	Harmonic Imaging	Coded Pulse	Other [Notes)
Ophthalmic											
Fetal / Obstetrics[7]								<u> </u>			
Abdominal ^[1]											
Pediatric	P	P	P		P	P	P	P	P	P	[6]
Small Organ ^[2]	P	P	P		P	P	P	P	P	P	[6]
Neonatal Cephalic											
Adult Cephalic											
Cardiac ^[3]											
Peripheral Vascular	P	P	P		P	P	P	P	P	P	[6]
Musculo-skeletal Conventional	P	P	P		P	P	P	P	P	P	[6]
Musculo-skeletal Superficial	P	P	P		P	P	Р	P	P	P	[6]
Other											
Exam Type, Means of Access											
Transesophageal											
Transrectal											
Transvaginal											
Transuretheral											
Intraoperative											
Intraoperative Neurological					,						
Intravascular											
Laparoscopic											

N = new indication; P = previously cleared by FDA; E = added under Appendix E

Notes: [2] Small organ includes breast, testes, thyroid, salivary gland, lymph nodes, pediatric and neonatal patients

[6] Includes imaging of guidance of biopsy (2D)

[*] Combined modes are B/M, B/Color M, B/PWD or CWD, B/Color/PWD or CWD, B/Power/PWD.

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Concurrence of CDRH, Office of In Vitro Diagnostic Devices (OIVD)

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510(k) Premarket Notification Submission

Diagnostic Ultrasound Indications for Use Form GE Voluson E6/E8/E8Expert/E10 with 3S-D Transducer

Intended Use: Diagnostic ultrasound imaging or fluid flow analysis of the human body as follows:

						Mode	of Operation	on .			
Clinical Application	В	М	PW Doppler	CW Doppler			Power Doppler	Combined Modes	Harmonic Imaging	Coded Pulse	Other [Notes)
Anatomy/Region of Interest						Doppler					
Ophthalmic			<u> </u>								
Fetal /	P	P	P	P	P	P	P	P	P	· P	
Abdominal ^[1]	P	P	P	P	P	P	P	P	P	P	
Pediatric	P	P	P	P	P	P	P	P	P	P	
Small Organ ^[2]								_			
Neonatal											
Adult Cephalic	P	P	P	P	P	P	P	P	P	P	
Cardiac ^[3]	P	P	P	P	P	P	P	P	P	P	
Peripheral		, ,									
Musculo-skeletal											
Musculo-skeletal											
Other											
Ехат Туре,											
Transesophageal											
Transrectal											
Transvaginal											
Transuretheral											
Intraoperative											
Intraoperative											
Intravascular											
Laparoscopic											

N = new indication; P = previously cleared by FDA; E = added under Appendix E

Notes:

- [1] Abdominal includes renal, GYN/Pelvic
- [3] Cardiac is adult and Pediatric
- [7] Includes infertility monitoring of follicle development
- [*] Combined modes are B/M, B/Color M, B/PWD or CWD, B/Color/PWD or CWD, B/Power/PWD.

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510(k) Premarket Notification Submission

Diagnostic Ultrasound Indications for Use Form GE Voluson E6/E8/E8Expert/E10 with P2D Transducer

Intended Use: Diagnostic ultrasound imaging or fluid flow analysis of the human body as follows:

an i ka si si		T	1			de of Oper					
Clinical Application	В	М	PW	CW	Color	Color M			Harmonic	Coded	Other
Anatomy/Region of Interest			Doppler	Doppler	Doppler	Doppler	Doppler	Modes*	Imaging	Pulse	[Notes]
Ophthalmic			ļ		:			1			
Fetal / Obstetrics[7]				ļ	.						
Abdominal ^[1]	_										
Pediatric					!						
Small Organ ^[2]					:						
Neonatal Cephalic											
Adult Cephalic				Р							
Cardiac ^[3]				P	!						
Peripheral Vascular				P	ļ 			:			
Musculo-skeletal Conventional					1						
Musculo-skeletal Superficial					† 					•	
Other					į.						
Exam Type, Means of Access											
Transesophageal											
Transrectal											
Transvaginal					ı						
Transuretheral					1						
Intraoperative											
Intraoperative Neurological											
Intravascular					i ·						
Laparoscopic					<i>'</i>						

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Notes: [3] Cardiac is adult and Pediatric

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510(k) Premarket Notification Submission

Diagnostic Ultrasound Indications for Use Form GE Voluson E6/E8/E8Expert/E10 with P6D Transducer

Intended Use: Diagnostic ultrasound imaging or fluid flow analysis of the human body as follows:

					Mo	de of Oper	ration			
Clinical Application Anatomy/Region of Interest	В	М	PW Doppler	CW Doppler	Color	Color M	Power	 Harmonic Imaging	Coded Pulse	Other [Notes)
Ophthalmic										
Fetal / Obstetrics ^[7]										
Abdominal ^[1]										
Pediatric			1							
Small Organ ^[2]										
Neonatal Cephalic										
Adult Cephalic										
Cardiac ^[3]				P						L
Peripheral Vascular				P						
Musculo-skeletal Conventional										
Musculo-skeletal Superficial	·									
Other										
Exam Type, Means of Access										
Transesophageal										
Transrectal										
Transvaginal										
Transuretheral										
Intraoperative										
Intraoperative Neurological			<u> </u>							
Intravascular										
Laparoscopic										

N	= new indi	cation: P =	previously	cleared by	FDA:	E = added	under A	Appendix 1	Ε
• .		••••••	Pretionor	0.00.00			under 1	The bornery	_

Notes: [3] Cardiac is adult and Pediatric

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510K 117213



510(k) Premarket Notification Submission

Diagnostic Ultrasound Indications for Use Form GE Voluson E6/E8/E8Expert/E10 with M6C Transducer

Intended Use: Diagnostic ultrasound imaging or fluid flow analysis of the human body as follows:

	Mode of Operation PW CW Color Color M Power Combined Harmonic Coded Other										
Clinical Application Anatomy/Region of Interest	В	М		CW Doppler		Color M	Power	Combined Modes	Harmonic Imaging	Coded Pulse	Other [Notes)
Ophthalmic								<u> </u>			
Fetal / Obstetrics ^[7]	P	P	P	P	P	P	P	P	P	P	[6]
Abdominal ^[1]	P	P	P	P	P	P	P	P	P	P	[6]
Pediatric	P	P	P	P	P	P	P	P	P	· Р	[6]
Small Organ ^[2]		_	<u> </u>								
Neonatal Cephalic								<u></u>			
Adult Cephalic											
Cardiac ^[3]											
Peripheral Vascular											
Musculo-skeletal Conventional											
Musculo-skeletal Superficial											
Other											
Exam Type, Means of Access											<u> </u>
Transesophageal											
Transrectal											
Transvaginal											
Transuretheral			<u>.</u>								
Intraoperative											
Intraoperative Neurological											
Intravascular											
Laparoscopic											

N = new indication; P = previously cleared by FDA; E = added under Appendix E

Notes: [1] Abdominal includes renal, GYN/Pelvic, Urology

Prescription User (Per 21 CFR 801.109)

- [6] Includes imaging of guidance of biopsy (2D)
- [7] Includes infertility monitoring of follicle development
- [*] Combined modes are B/M, B/Color M, B/PWD or CWD, B/Color/PWD or CWD, B/Power/PWD.

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Diagnostic Ultrasound Indications for Use Form GE Voluson E6/E8/E8Expert/E10 with 11L-D Transducer

Intended Use: Diagnostic ultrasound imaging or fluid flow analysis of the human body as follows:

	Mode of Operation PW CW Color Color M Power Combined Harmonic Coded Other										
Clinical Application Anatomy/Region of Interest	В	М	PW Doppler	CW Doppler	Color Doppler	Color M Doppler	- *		Harmonic Imaging	Coded Pulse	Other [Notes)
Ophthalmic											
Fetal / Obstetrics ^[7]											
Abdominal ^[1]											
Pediatric	P	P	P		P	P	P	P	P	P	[6,9]
Small Organ ^[2]	P	P	P		P	P	P	P	P	P	[6,9]
Neonatal Cephalic											<u> </u>
Adult Cephalic											
Cardiac ^[3]											
Peripheral Vascular	P	P	P		P	P	P	P	P	P	[6,9]
Musculo-skeletal Conventional	P	P	P		P	P	P	P	P	P	[6,9]
Musculo-skeletal Superficial	P	P	P		P	P	P	P	P	P	[6,9]
Other											
Exam Type, Means of Access											
Transesophageal						,					
Transrectal	·										
Transvaginal											
Transuretheral											
Intraoperative											
Intraoperative Neurological											
Intravascular											
Laparoscopic											

N = new indication; P = previously cleared by FDA; E = added under Appendix E

Notes: [2] Small organ includes breast, testes, thyroid, salivary gland, lymph nodes, pediatric and neonatal patients

- [6] Includes imaging of guidance of biopsy (2D)
- [9] Elastography Imaging- Elasticity
- [*] Combined modes are B/M, B/Color M, B/PWD or CWD, B/Color/PWD or CWD, B/Power/PWD.

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Diagnostic Ultrasound Indications for Use Form GE Voluson E6/E8/E8Expert/E10 with C1-5-D Transducer

Intended Use: Diagnostic ultrasound imaging or fluid flow analysis of the human body as follows:

		Mode of Operation Mode of Operation PW CW Color Color M Power Combine Harmonic Coded Other									
Clinical Application Anatomy/Region of Interest	В	М	PW Doppler	CW Doppler	Color Doppler	Color M Doppler	Power Doppler		Harmonic Imaging	Coded Pulse	Other [Notes)
Ophthalmic											
Fetal / Obstetrics ^[7]	P	P	P	P	P	P	P	P	P	P	[6]
Abdominal ^[1]	P	P	P	P	P	P	P	P	P	P	[6]
Pediatric											
Small Organ ^[2]					ļ						
Neonatal Cephalic									•••		
Adult Cephalic											
Cardiae ^[3]			<u> </u>								
Peripheral Vascular	P	P	P	P	P	P	P	P	P	P	[6]
Musculo-skeletal Conventional											
Musculo-skeletal Superficial											
Other											
Exam Type, Means of Access					!						
Transesophageal		<u> </u>									ļ
Transrectal											<u> </u>
Transvaginal							ļ. <u>.</u> .	_			ļ
Transuretheral											<u> </u>
Intraoperative		<u> </u>									
Intraoperative Neurological											
Intravascular											
Laparoscopic											

N = new indication; P = previously cleared by FDA; E = added under Appendix E

- Notes: [1] Abdominal includes renal, GYN/Pelvic, Urology
 - [6] Includes imaging of guidance of biopsy (2D)
 - [7] Includes infertility monitoring of follicle development
 - [*] Combined modes are B/M, B/Color M, B/PWD or CWD, B/Color/PWD or CWD, B/Power/PWD.

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Diagnostic Ultrasound Indications for Use Form GE Voluson E6/E8/E8/Expert/E10 with ML6-15-D Transducer

Intended Use: Diagnostic ultrasound imaging or fluid flow analysis of the human body as follows:

	_	Mode of Operation PW CW Color Color M Power Combined Harmonic Coded Other											
Clinical Application Anatomy/Region of Interest	В	М	PW Doppler	CW Doppler	Color Doppler	Color M Doppler	Power		Harmonic Imaging	Coded Pulse	Other [Notes)		
Ophthalmic													
Fetal / Obstetrics ^[7]													
Abdominal ^[1]					<u> </u>								
Pediatric	P	P	P		P	P	P	P	P	P	[6,9]		
Small Organ ^[2]	P	P	P		* P	P	P	P	P	P	[6,9]		
Neonatal Cephalic													
Adult Cephalic						:							
Cardiac ^[3]													
Peripheral Vascular	P	P	P		P	P	P	P	P	P	[6,9]		
Musculo-skeletal Conventional	P	P	P		P	P	P	P	P	P	[6,9]		
Musculo-skeletal Superficial	P	P	P		P	P	P	P	P	P	[6,9]		
Other													
Exam Type, Means of Access													
Transesophageal			<u> </u>										
Transrectal													
Transvaginal													
Transuretheral													
Intraoperative													
Intraoperative Neurological													
Intravascular													
Laparoscopic		l	ļ										

N = new indication; P = previously cleared by FDA; E = added under Appendix E

Notes: [2] Small organ includes breast, testes, thyroid, salivary gland, lymph nodes, pediatric and neonatal patients

- [6] Includes imaging of guidance of biopsy (2D)
- [9] Elastography Imaging-Elasticity
- [*] Combined modes are B/M, B/Color M, B/PWD or CWD, B/Color/PWD or CWD, B/Power/PWD.

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Diagnostic Ultrasound Indications for Use Form

GE Voluson E6/E8/E8Expert/E10 with RM6C Transducer

Intended Use: Diagnostic ultrasound imaging or fluid flow analysis of the human body as follows:

	Mode of Operation PW CW Color Color M Power Combined Harmonic Coded Other											
Clinical Application Anatomy/Region of Interest	В	М	PW Doppler	CW Doppler	Color Doppler	Color M Doppler		Combined Modes	Harmonic Imaging	Coded Pulse	Other [Notes)	
Ophthalmic				_								
Fetal / Obstetrics[7]	P	P	P		P	P	P	P	P	P	[5,6]	
Abdominal ^[1]	P	P	P		P	P	P	P	P	P	[5,6]	
Pediatric	P	P	P		P	P	P	P	P	P	[5,6]	
Small Organ ^[2]						_						
Neonatal Cephalic												
Adult Cephalic												
Cardiac ^[3]												
Peripheral Vascular												
Musculo-skeletal Conventional	P	P	P		P.	P	P	P	P	P	[5,6]	
Musculo-skeletal Superficial												
Other												
Exam Type, Means of Access												
Transesophageal												
Transrectal												
Transvaginal												
Transuretheral												
Intraoperative												
Intraoperative Neurological												
Intravascular												
Laparoscopic								<u> </u>				

N = new indication; P = previously cleared by FDA; E = added under Appendix E

Notes: [1] Abdominal includes renal, GYN/Pelvic, Urology [5] 3D/4D Imaging Mode

- [6] Includes imaging of guidance of biopsy (3D/4D)
- [7] Includes infertility monitoring of follicle development
- [*] Combined modes are B/M, B/Color M, B/PWD or CWD, B/Color/PWD or CWD, B/Power/PWD.

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Diagnostic Ultrasound Indications for Use Form GE Voluson E6/E8/E8Expert/E10 with RRE5-10-D Transducer

Intended Use: Diagnostic ultrasound imaging or fluid flow analysis of the human body as follows:

	Mode of Operation										
Clinical Application Anatomy/Region of Interest	В	М	PW Doppler	CW Doppler	Color Doppler	Color M Doppler			Harmonic Imaging	Coded Pulse	Other [Notes)
Ophthalmic											
Fetal / Obstetrics ^[7]											
Abdominal ^[1]											
Pediatric										-	
Small Organ ^[2]											
Neonatal Cephalic											
Adult Cephalic			<u></u>								
Cardiac ^[3]											
Peripheral Vascular											
Musculo-skeletal Conventional											
Musculo-skeletal Superficial											
Other											
Exam Type, Means of Access											
Transesophageal	_										
Transrectal ^[8]	P	P	P		P	P	P	P	P	P	[5,6,9]
Transvaginal	P	P	P.		P	P	P	P	P	P	[5,6,9]
Transuretheral											
Intraoperative											
Intraoperative Neurological											
Intravascular											
Laparoscopic											

N = new indication; P = previously cleared by FDA; E = added under Appendix E

Notes: [5] 3D/4D Imaging Mode

- [6] Includes imaging of guidance of biopsy (3D/4D)
- [8] Includes urology/prostate
- [9] Elastography Imaging- Elasticity
- [*] Combined modes are B/M, B/Color M, B/PWD or CWD, B/Color/PWD or CWD, B/Power/PWD.

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Diagnostic Ultrasound Indications for Use Form

GE Voluson E6/E8/E8Expert/E10 with RM14L Transducer

Intended Use: Diagnostic ultrasound imaging or fluid flow analysis of the human body as follows:

	Mode of Operation P W CW Color Color M Power Combined Harmonic Coded Other										
Clinical Application	В	М	PW	CW	Color	Color M			1 .		Other
Anatomy/Region of Interest			Doppler	Doppler	Doppler	Doppler	Doppler	Modes*	Imaging	Pulse	[Notes)
Ophthalmic											
Fetal / Obstetrics[7]											
Abdominal ^[1]											
Pediatric	P	P	P		Р	P	P	P	P	P	[5,6]
Small Organ ^[2]	P	P	P		P	P	P	P	P	P	[5,6]
Neonatal Cephalic											
Adult Cephalic											
Cardiac ^[3]											
Peripheral Vascular	P	P	P		P	P	P	P	P	P	[5,6]
Musculo-skeletal Conventional	P	P	P		P	P	P	P	P	P	[5,6]
Musculo-skeletal Superficial	P	. Р	P		P	P	P	P	P	P	[5,6]
Other											
Exam Type, Means of Access											
Transesophageal											
Transrectal					_						
Transvaginal											
Transuretheral											
Intraoperative											
Intraoperative Neurological											
Intravascular											
Laparoscopic											

N = new indication; P = previously cleared by FDA; E = added under Appendix E

Notes: [2] Small organ includes breast, testes, thyroid, salivary gland, lymph nodes, pediatric and neonatal patients

- [5] 3D/4D Imaging Mode
- [6] Includes imaging of guidance of biopsy (3D/4D)
- [*] Combined modes are B/M, B/Color M, B/PWD or CWD, B/Color/PWD or CWD, B/Power/PWD.

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Diagnostic Ultrasound Indications for Use Form GE Voluson E6/E8/E8Expert/E10 with 3Sp-D Transducer

Intended Use: Diagnostic ultrasound imaging or fluid flow analysis of the human body as follows:

	Mode of Operation PW CW Color Color M Power Combined Harmonic Coded Other										
Clinical Application Anatomy/Region of Interest	В	М	PW Doppler	CW Doppler	Color Doppler	Color M Doppler			Harmonic Imaging	Coded Pulse	Other [Notes)
Ophthalmic					ļ			<u> </u>			
Fetal / Obstetrics[7]	P	P	P	P	P	P	P	P	P	P	
Abdominal ^[1]	P	P	P	P	P	P	P	P	P	P	
Pediatric	P	P	P	P	P	P	P	P	P	P	ļ
Small Organ ^[2]											
Neonatal Cephalic											
Adult Cephalic	P	P	P	P	P	P	P	P	P	P	
Cardiac ^[3]	P	P	P	P	P	P	P	P	P	P	
Peripheral Vascular											
Musculo-skeletal Conventional											
Musculo-skeletal Superficial											
Other											
Exam Type, Means of Access											
Transesophageal											
Transrectal											
Transvaginal			<u> </u>								
Transuretheral											
Intraoperative											
Intraoperative Neurological											
Intravascular											
Laparoscopic											

N = new indication; P = previously cleared by FDA; E = added under Appendix E

- Notes: [1] Abdominal includes renal, GYN/Pelvic
 - [3] Cardiac is adult and Pediatric
 - [7] Includes infertility monitoring of follicle development
 - [*] Combined modes are B/M, B/Color M, B/PWD or CWD, B/Color/PWD or CWD, B/Power/PWD.

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Diagnostic Ultrasound Indications for Use Form GE Voluson E6/E8/E8Expert/E10 with C4-8-D Transducer

Intended Use: Diagnostic ultrasound imaging or fluid flow analysis of the human body as follows:

	Mode of Operation PW CW Color Color M Power Combined Harmonia Coded Other										
Clinical Application Anatomy/Region of Interest	В	М	PW Doppler	CW Doppler	Color	Color M	Power	Combined Modes	Harmonic Imaging	Coded Pulse	Other [Notes)
Ophthalmic											
Fetal / Obstetrics ^[7]	P	P	P		P	P	P	P	P	P	[6]
Abdominal ^[1]	P	P	P		P	P	Р	P	P	P	[6]
Pediatric	P	P	P		P	P	P	P	P	P	[6]
Small Organ ^[2]			<u></u>								
Neonatal Cephalic											ļ
Adult Cephalic											
Cardiac ^[3]								·			
Peripheral Vascular	P	P	P		P	P	P	P	P	P	[6]
Musculo-skeletal Conventional											
Musculo-skeletal Superficial									!		
Other											
Exam Type, Means of Access											
Transesophageal											
Transrectal											
Transvaginal					<u> </u>						
Transuretheral										·	
Intraoperative											
Intraoperative Neurological											
Intravascular											
Laparoscopic											

N = new indication; P = previously cleared by FDA; E = added under Appendix E

Notes: [1] Abdominal includes renal, GYN/Pelvic, Urology

- [6] Includes imaging of guidance of biopsy (2D)
- [7] Includes infertility monitoring of follicle development

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[*] Combined modes are B/M, B/Color M, B/PWD or CWD, B/Color/PWD or CWD, B/Power/PWD.

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Diagnostic Ultrasound Indications for Use Form GE Voluson E6/E8/E8Expert/E10 with RAB6-D Transducer

Intended Use: Diagnostic ultrasound imaging or fluid flow analysis of the human body as follows:

	Mode of Operation PW CW Color Color M Power Combined Harmonic Coded Other										
Clinical Application Anatomy/Region of Interest	В	М	PW Doppler	CW Doppler	Color Doppler	Color M			Harmonic Imaging	Coded Pulse	Other [Notes)
Ophthalmic											
Fetal / Obstetrics ^[7]	E	E	Е		E	E	E	<u>E</u>	E	E	[5,6]
Abdominal ^[1]	E	E	E		E	E	E	E	E	E	[5,6]
Pediatric	E	E	E		E	E	E	E	E	E	[5,6]
Small Organ ^[2]											
Neonatal Cephalic											
Adult Cephalic											
Cardiac ^[3]											
Peripheral Vascular											
Musculo-skeletal Conventional	E	E	E		E	E	E	E	E	E	[5,6]
Musculo-skeletal Superficial											
Other											
Exam Type, Means of Access			-								
Transesophageal											
Transrectal											
Transvaginal			ļ								
Transuretheral											
Intraoperative											
Intraoperative Neurological											
Intravascular											
Laparoscopic											

N = new indication; P = previously cleared by FDA; E = added under Appendix E

Notes: [1] Abdominal includes renal, GYN/Pelvic, Urology [5] 3D/4D Imaging Mode

- [6] Includes imaging of guidance of biopsy (3D/4D)
- [7] Includes infertility monitoring of follicle development
- [*] Combined modes are B/M, B/Color M, B/PWD or CWD, B/Color/PWD or CWD, B/Power/PWD.

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Diagnostic Ultrasound Indications for Use Form GE Voluson E6/E8/E8Expert/E10 with eM6C Transducer

Intended Use: Diagnostic ultrasound imaging or fluid flow analysis of the human body as follows:

	Mode of Operation										
Clinical Application Anatomy/Region of Interest	В	М	PW Doppler	CW Doppler	Color# Doppler	Color M Doppler	Power Doppler		Harmonic Imaging	Coded Pulse	Other [Notes)
Ophthalmic			. =		<u></u>						
Fetal / Obstetrics ^[7]	N	N	N		N	N	N	N	N	N	[5,6]
Abdominal ^[1]	N	N	N		N	N	N	N	N	N	[5,6]
Pediatric	N	N	N		N	N	N	N	N	N	[5,6]
Small Organ ^[2]											
Neonatal Cephalic											
Adult Cephalic											
Cardiac ^[3]											
Peripheral Vascular					<u></u>						
Musculo-skeletal Conventional	N	N	N		N	N	N	N	N	N	[5,6]
Musculo-skeletal Superficial			<u> </u>								
Other			<u> </u>								
Exam Type, Means of Access											
Transesophageal											
Transrectal											
Transvaginal											
Transuretheral											
Intraoperative											
Intraoperative Neurological											ļ
Intravascular											
Laparoscopic											

N = new indication; P = previously cleared by FDA; E = added under Appendix E

Notes: [1] Abdominal includes renal, GYN/Pelvic, Urology [5] 3D/4D Imaging Mode

- [6] Includes imaging of guidance of biopsy (3D/4D)
- [7] Includes infertility monitoring of follicle development
- [*] Combined modes are B/M, B/Color M, B/PWD or CWD, B/Color/PWD or CWD, B/Power/PWD.
- (*) 4D color Doppler

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